

## Receiving Report

Date: 1/4/17/16

Batch No: M129826

Supplier: FACTORY

Dart P/O: 24939

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☒  
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☐ No ☒  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC18 Inspection ☒ N/A ☐  
 Work Order ☐ N/A ☒

### Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number
			complete				

Initials of Receiver

QC12

Production/Admin:

Date

Received/Costing

Initial

1/4/17/16  
[Signature]

Location

## Page 1 of 1

All amounts are calculated in domestic currency.

PO ID PO24939 Receipt Dates from 7/16/2014 to 7/16/2014

L/WOs ALL

Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name											
PO24939	1	VU-FAC001	Factory Steel								
			M4130NT0.500W.04 f	f	7/16/2014	7/16/2014	216.0000	\$3.85	0.0000	0	\$831.60
USD	No		4130 RD Tube .500 x.049W	f	220.0000	DES102		\$831.60	0.0000	0	
			m129826								
	2		M4130NT0.750W.08 f	f	7/16/2014	7/16/2014	20.0830	\$5.52	0.0000	0	\$110.86
			3								
No	No		4130 RD Tube .750 x.083W	f	25.0000	DES102		\$110.86	0.0000	0	
			m129826								
	3		71401-45		7/16/2014	7/16/2014	1.0000	\$0.00	0.0000	0	\$0.00
No	No		PROCUREMENT QUALITY CLAUSES		1.0000	DES102		\$0.00	0.0000	0	
			m129826								
	4		71425-35	Each	7/16/2014	7/16/2014	1.0000	\$45.00	0.0000	0	\$45.00
No	No		PACKING CHARGE		1.0000	DES102		\$45.00	0.0000	0	
			m129826								
Total Received Quantity:											238.0830
Total Qty to Inspect (PO U/M):											0.0000
Total Reject Quantity:											0.0000
Total Receipt Value:											\$987.46
Total Balance Due Quantity:											8.9170

# PACKING LIST

No. 43326

PG 1 OF 1



FACTORY STEEL & METAL SUPPLY  
14020 OAKLAND AVENUE  
DETROIT, MI 48203

(313)883-6300 PHONE  
(313)883-4883 FAX

SOLD TO  
DART AEROSPACE  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7

PURCHASE ORDER #  
P024939  
JOB NAME

SALES ORDER #  
37341  
ORDER DATE  
07/10/2014

SHIP TO  
DART AEROSPACE  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7

BUYER  
CHANTEL LAVOIE  
Tel (613) 632-3336  
Fax (613) 632-4443

SALES REP  
MICK HALON  
SHIP INST  
YRC

PRO#  
761-840-478-X  
TERMS  
NET 30 DAYS

RESALE #  
59-2958719  
CARRIER  
YRC

BLIND Y/N  
N  
FOB  
DETROIT

SHIP DATE  
07/11/2014

SHIP VIA  
YRC

PL

LINE	QUANTITY	DESCRIPTION	WIDTH	LENGTH	WEIGHT	UNIT PRICE	TOTAL
1	216 FT	4130 CD SMLSS RD TUBE 1/2" OD X .049W Our Tag # Mill Ref # Heat # 99710 545695	Total Ft 216	19' /24' RL	50.976		
2	20.083 FT	4130 CD SMLSS RD TUBE 3/4" OD X .083W Our Tag # Mill Ref # Heat # 99711 001M39509	Total Ft 20.083	25' RL	11.875		
3	1 PC	PACKING CHARGES MTRS (CIRCLE) FAX SHIPMENT INVOICE ALL DATE: INITIAL:					
TOTAL WT 62 LBS							TOTAL

*Ray 7/11/16*



RECEIVED BY - SIGNATURE

RECEIVED BY - PRINTED NAME

DATE RECEIVED

50



# MATERIAL TEST REPORT

Page 1 of 1

Sold To: 3300035  
FACTORY STEEL & METAL SUPPLY CO.  
14020 OAKLAND AVENUE  
DETROIT MI 48203

Ship To: 3300035  
FACTORY STEEL & METAL SUPPLY CO.  
14020 OAKLAND AVENUE  
DETROIT MI 48203

Purchase Order: 1609  
Sales Order: 137954  
Material: A893050004905461 AMS-T-6736 0500OD 049AW AMS6360,6371  
Delivery: 80220568

Description: AMS-6360L/AMS-6371J/AMS-T-6736B COND N./MIL-T-6736/ASTM A519  
SEAMLESS 4130.

Test: NDT ELECTRIC TESTED TO ASTM A450 OR A1016 & APPLICABLE TEST METHOD E309 OR E426.  
MAGNETIC INSPECTED TO AMS2301.  
A519

Heat Number: 545695

	LDL	%
CARBON	LDL	0.300
MANGANESE	LDL	0.520
PHOSPHORUS	LDL	0.010
SULFUR	LDL	0.005
SILICON	LDL	0.230
NICKEL	LDL	0.100
CHROMIUM	LDL	0.890
MOLYBDENUM	LDL	0.170
COPPER	LDL	0.140
ALUMINUM	LDL	0.038
R-EACH	LDL	0.000
R-TOTAL	LDL	0.000

27  
883  
4/1/18

Ultimate (PSI ) 126700 / 127400  
Yield (PSI ) 95,300 / 99,100  
Elongation (%) 21 / 23  
Hardness (RB ) 97 / 102  
Grain Size 9.000  
Frequency rate 0.147  
Severity 0.078  
Decarb OD Total (IN ) PASSED  
Decarb ID Total (IN ) PASSED  
%

Jominy (RC ) Heat: 545695 J5/16= 41 J8/16= 31  
Origin of Melt Germany  
Manufactured in USA

Webco Industries, Inc. certifies that the material described was manufactured and tested and/or  
inspected in accordance with the specification and fulfills requirements in such respect.

This document conforms to the requirements of Specification EN 10204 Inspection Document Type 3.1.  
This document was prepared by means of electronic processing and is valid without signature.

Date: 11/09/2011

Tony Stubblefield  
Quality Manager



**MICHIGAN**  
seamless tube

# TEST REPORT

SHIPMENT  
001

9203

MICHIGAN SEAMLESS TUBE

SOUTH LYON, MICHIGAN 48178

ORDER NUMBER	CUSTOMER ORDER NUMBER	DATE	OFC	COM	DI WI	NET SLS	GR SLS	ACCOUNT NUMBER	US	PAGE
014486	8441	05/12/04	51	00	16	16	01	02598001FCD	1PT	1

FACTORY STEEL & METAL SUPPLY 14020 OAKLAND DETROIT MI 48203	FACTORY STEEL & METAL SUPPLY 14020 OAKLAND AVENUE DETROIT MI 48203	SN 2 TR 3 INV 3
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ROUTING  
OPEN TOP/FULLY TARPED/FOB SOUTH LYON MI PPD TRUCK

ANALYSIS	SHAPE	PRODUCT	FC	ANNEAL	REQUESTED
4130-3 (EF/MQ)	ROUND	COLD DRAWN		PER SPEC	06/18/04
SEAMLESS	SPECIFICATION	CMST	DESCRIPTION	PROMISE	
	AMS-6371/A519		CD ALLOY AIRCRAFT	06/18/04	

SR500K INSTRUCTIONS  
800 PSI MIN YLD. AIM 85 PSI. CERT TO A519-96. MILT-6736BN  
NOTICE 2. AMS-6360K (W/DECARB LEVELS TO AMS-6371H) & AMS-T-6736N.  
T/R W/SHIPMENT TO INCL CHEM. PHYS. DECARB. JOMINY. GRAIN SIZE &  
BRINNELL. PRODUCE FROM 1-HEAT. MARK TO INCLUDE GRADE. A519-96.  
MILT-6736BN NOTICE 2. AMS-T-6736N. AMS-6371H & AMS-6360K.

ITEM	QUANTITY	O.D.	I.D.	WALL	LENGTH	WT/FT	WEIGHT
		.750		.083 AVG		.5912	11:47:52 06/21/04

ITM BALE --BALE--  
NUM NUM PCS FTG HEAT NO. LENGTH ITM PART  
1 1 1 211 5406 001M39509 RAND 19'-26' COM STATUS NUMBER

DAS  
27  
9-10  
4/7/18

HEAT NO.	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	Al	REMARKS
001M39509	.280	.520	.011	.020	.220	.150	.860	.160	.190	.018	EF MAC STEEL

HEAT NO.	ULT. STR. PSI	YIELD, PSI	% ELONG 2"	HARDNESS	HYDRO TEST PSI	ULTRA SONIC %	EDDY CURRENT	EXPANSION
001M39509	114.285	106.857	18.7	BHN 232-239				
001M39509	110.857	106.285	21.8	BHN 232-239				
001M39509	110.919	107.471	18.7	BHN 232-239	BEND	FLATTEN	FLARE	REV. FLATTEN
001M39509	110.795	105.113	18.7	BHN 232-239				FLANGE

DECARB OK GRAIN SIZE 6  
FREQ 0.000 SEV 0.000  
MACROS S1. R1. C1  
J1 J2 J3 J4 J5 J6 J7 J8 J9 J10  
49 48 45 38 37 37 35 34 33 31

*Eric Hunter*

We hereby certify that the reported data are correct according to Michigan Seamless Tube tests and



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MH130NTO-750W .080 PO / BATCH NO.: 24939  
 DATE: JUN 18 2014  
 MATERIAL CERT REC'D: Yes THICKNESS ORDERED: .750 X .080  
 QUANTITY RECEIVED: 20.08 THICKNESS RECEIVED: .754 X .083  
 QUANTITY INSPECTED: 20.08 SHEET SIZE ORDERED: 20.08 ft  
 QUANTITY REJECTED: / SHEET SIZE RECEIVED: 20.08 ft

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	HT# 001m39809
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	AMS-6371/AS19
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="radio"/> N <input checked="" type="radio"/>	m129826
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 21</u> DATE: <u>6/18</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M4130NT0.S00W.049

PO / BATCH NO.: 24939

DATE: JUL 18 2014

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 216 ft  
 QUANTITY INSPECTED: 216 ft  
 QUANTITY REJECTED: 216 ft 0

THICKNESS ORDERED: .049 X .506  
 THICKNESS RECEIVED: .056 X .506  
 SHEET SIZE ORDERED: 24 ft  
 SHEET SIZE RECEIVED: 24 ft

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	HT# 34569
CORRECT REF # TO LINK CERT	(Y) N	
CORRECT MATERIAL IDENTIFICATION	(Y) N	AS AMS-1-6736
CORRECT M# ON THE MATERIAL	(Y) N	m129826
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>27 g-89</u> DATE: <u>4/7/18</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO24939**

Purchase Order Date 7/9/2014

PO Print Date 7/9/2014

Page Number 1 of 2

**Order From :**

VU-FAC001

FACTORY STEEL  
14020 OAKLAND AVE.  
DETROIT, MI 48203  
US

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAXED**

**Contact Name**

**Vendor Phone** 313 883 6300

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Yellow Standard collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

USD

**FOB**

Destination-Collect

*M129826*

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
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1	M4130NT0.500W.049	4130 RD Tube .500 x.049W	7/16/2014 Yes 7/16/2014		220.00 <i>214</i> f	\$3.85	\$847.00 ✓
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MATERIAL: AISI 4130N SEAMLESS STEEL TUBING  
AS PER MIL-T-6736 OR AMS 6371/6360/6361  
6362/6373/6374

**Line Total:** \$847.00

2	M4130NT0.750W.083	4130 RD Tube .750 x.083W	7/16/2014 Yes 7/16/2014		25.00 <i>20083</i> f	\$5.52	\$138.00
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MATERIAL: AISI 4130N SEAMLESS STEEL TUBING  
AS PER MIL-T-6736 OR AMS 6371/6360/6361  
6362/6373/6374

**Line Total:** \$138.00

**Note:**

7/9/2014





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO24939**

Purchase Order Date 7/9/2014

PO Print Date 7/9/2014

Page Number 2 of 2

<b>Order From :</b> FACTORY STEEL 14020 OAKLAND AVE. DETROIT, MI 48203 US	<b>VU-FAC001</b>	<b>Ship To :</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CANADA
---	------------------	--

<b>Contact Name</b>		<b>Buyer</b>	Chantal Lavoie
<b>Vendor Phone</b>	313 883 6300	<b>Customer POID</b>	
<b>Ship To Contact</b>		<b>Customer Tax #</b>	10127-2607
<b>Ship To Phone</b>		<b>Terms</b>	Net 30
<b>Ship Via:</b>	Yellow Standard collect	<b>Currency</b>	USD
<b>Ship Acct:</b>		<b>FOB</b>	Destination-Collect

3	71401-45	PROCUREMENT QUALITY CLAUSES	7/16/2014	1.00	\$0.00	\$0.00
			No 7/16/2014			
		Procurement Quality Clauses A005 right of entry A012 chemical and physical test report A016 personnel qualification A017 raw material identification (as applicable) A026 certification of material conformance A041 quality management system A042 dart notification by supplier A043 retention of quality documents				

Line Total: \$0.00

PO Total: \$985.00

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 2

Change Date: 7/9/2014

# ORDER ACKNOWLEDGMENT

No. 37341

PG 1 OF 1



05

<b>FACTORY STEEL &amp; METAL SUPPLY</b> 14020 OAKLAND AVENUE DETROIT, MI 48203 (313)883-6300 PHONE (313)883-4883 FAX		<b>CUST ID</b> DA3336 <b>JOB NAME</b> CHANTEL LAVOIE 5200 Tel (613) 632-3336 Fax (613) 632-4443		<b>BUYER</b> CHANTEL LAVOIE 5200 Tel (613) 632-3336 Fax (613) 632-4443		<b>ORDER DATE</b> 07/10/2014 <b>SHIP DATE</b> 07/14/2014	
<b>SOLD TO</b> DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7		<b>RESALE #</b> 59-2958719 <b>SHIP TO</b> DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7		<b>SALES REP</b> MICK HALON <b>PURCHASE ORDER #</b> P024939		<b>SHIP VIA</b> YRC <b>CARRIER</b> YRC	
				<b>SHIP INST</b> YRC <b>BLIND Y/N</b> N			
				<b>TERMS</b> NET 30 DAYS <b>FOB</b> DETROIT			

  

LINE	QUANTITY	DESCRIPTION	WIDTH	LENGTH	WEIGHT	UNIT PRICE	TOTAL
PLEASE REVIEW YOUR ORDER AND RETURN SIGNED FOR PROMPT PROCESSING <i>Chantel Lavoie</i>							
1	220 FT	4130 CD SMLSS RD TUBE 1/2" OD X .049W		19' /24' RL	51.92	3.85/FT	847.00
2	1 PC	4130 CD SMLSS RD TUBE 3/4" OD X .083W		25' RL	14.487	5.52/FT	135.24
3	1 PC	PACKING CHARGES				45.00/PC	45.00
<b>TOTAL WT</b> 66 LBS							<b>TOTAL</b> \$1,027.24
<b>SUBTOTAL</b> \$1,027.24							<b>CUTTING</b> \$0.00
<b>O/S</b> \$0.00							<b>TOTAL</b> \$1,027.24